
ORIGINATION FORM

Proposed Revisions to a Standard Plans Index

(Please provide all information — Incomplete forms will be returned)

Contact Information:

Date: July 12, 2023

Originator: David Amato

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Standard Plans:

Index Number: 546-001

Sheet Number (s): 1 of 2

Index Title:
Raised Rumble Strip

Summary of the changes:

Removed the option for stacking multiple applications of preformed thermoplastic to achieve a height of 1/2 inch for Raised Rumble Strips.

Included a 6" offset from the end of rumble strip to lane lines.

Commentary / Background:

Stacking of multiple applications of preformed thermoplastic is not consistent with the products currently on the APL. There are no manufacturers or contractors requesting this construction method.

The 6" offset from rumble strip to lane line makes it clear that a rumble strip set is a per lane quantity. This clears up confusion over the payment quantities when there are rumble strip sets across multiple adjacent lanes.

Other Affected Offices / Documents: (Provide name of person contacted)

- | Yes | No | |
|-------------------------------------|-------------------------------------|---|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Other Standard Plans – |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | FDOT Design Manual – |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Basis of Estimates Manual – |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Standard Specifications – Daniel Strickland |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Approved Product List – |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Construction – |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Maintenance – |

Origination Package Includes: (Submit package to Rick Jenkins)

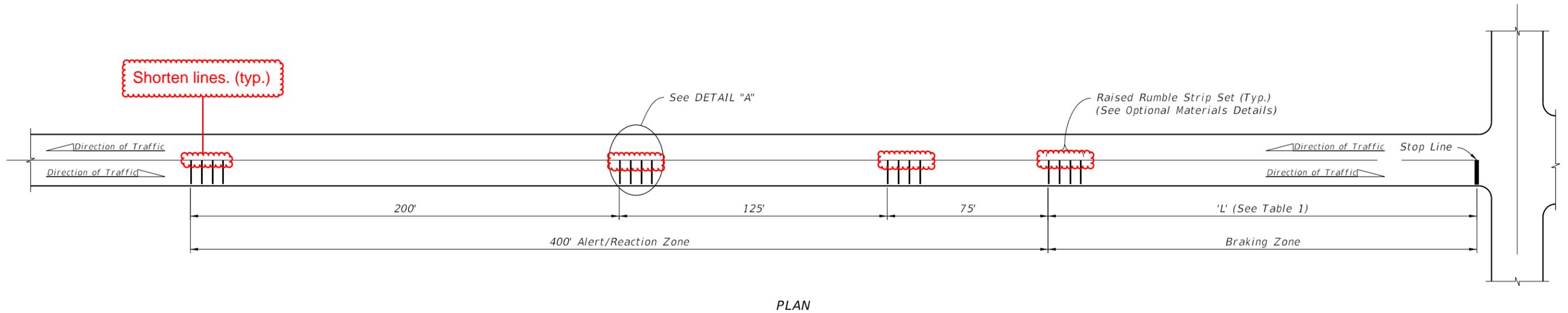
- | Yes | N/A | |
|-------------------------------------|--------------------------|---|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Redline Mark-ups |
| <input type="checkbox"/> | <input type="checkbox"/> | Revised or Proposed Standard Plan Instruction (SPI) |
| <input type="checkbox"/> | <input type="checkbox"/> | Other Support Documents |

Implementation:

- | | |
|-------------------------------------|----------------------------------|
| <input type="checkbox"/> | Design Bulletin (Interim) |
| <input type="checkbox"/> | DCE Memo |
| <input type="checkbox"/> | Program Mgmt. Bulletin |
| <input checked="" type="checkbox"/> | FY-Standard Plans (Next Release) |

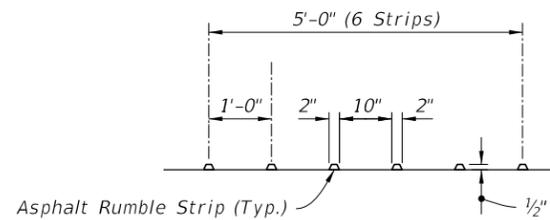
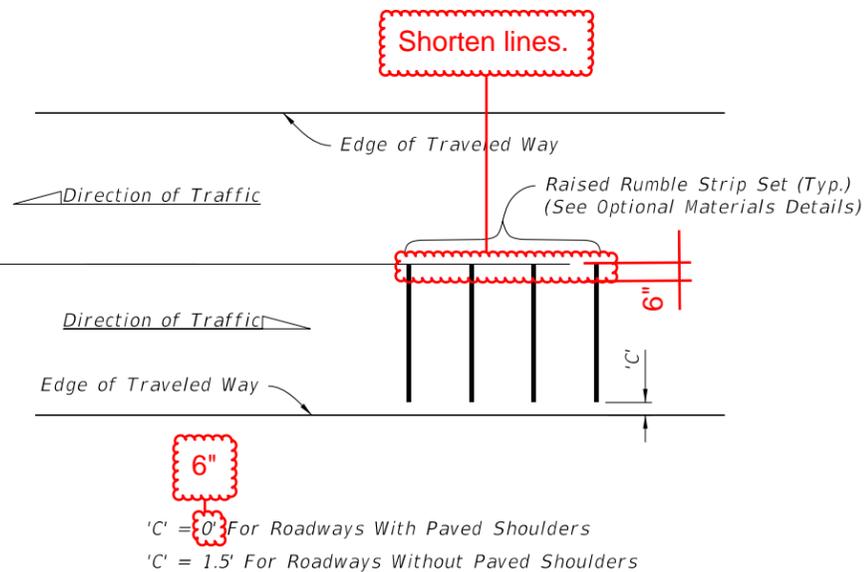
Contact the Roadway Design Office for assistance in completing this form

Email to: Rick Jenkins rick.jenkins@dot.state.fl.us and Darren Martin darren.martin@dot.state.fl.us

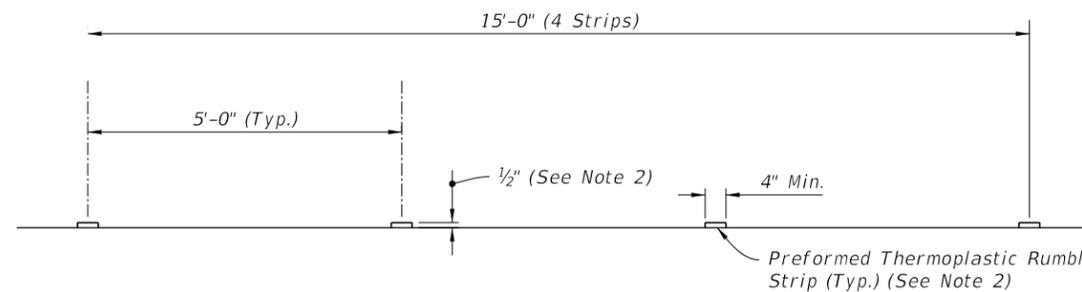


SPACING OF RAISED RUMBLE STRIP SETS AT INTERSECTIONS
(Preformed Thermoplastic Set Shown, Others Similar)

Posted Speed (mph)	'L' (Feet)
≤ 30	150
35	200
40	250
45	300
50	350
55	410
60	470
65	550



OPTION P1 - ASPHALT SET



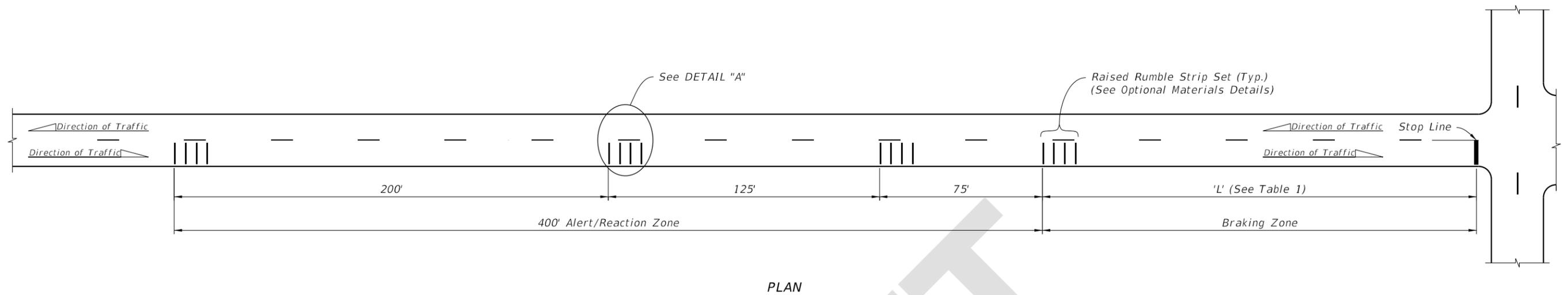
OPTION P2 - PREFORMED THERMOPLASTIC SET

OPTIONAL MATERIALS DETAILS

- 2. Use color white for preformed thermoplastic rumble strips.**
- NOTES:**
- Construct permanent raised rumble strips where shown in the Plans and in accordance with Specification 546.
 - Preformed Thermoplastic Set:
 - Use multiple applications to achieve desired 1/2" thickness.
 - Use color white.

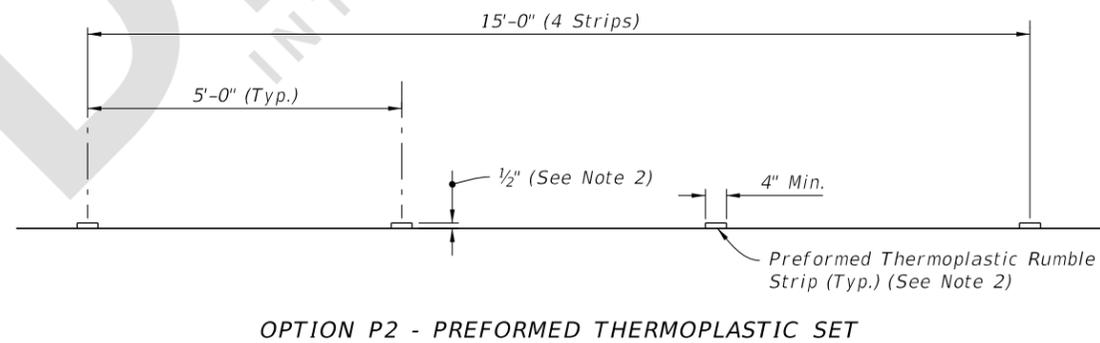
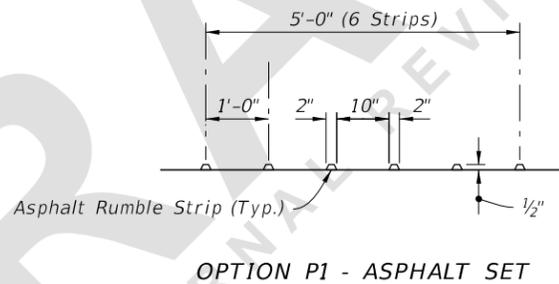
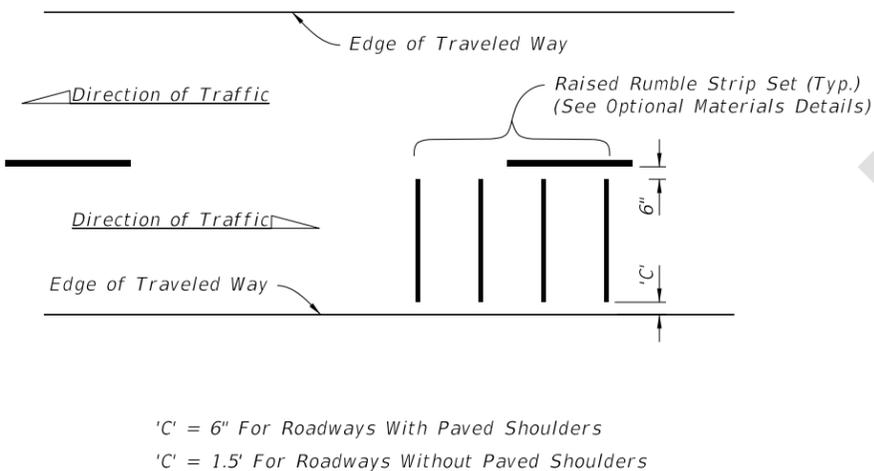
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LAST REVISION	DESCRIPTION:
04/23/18	11/01/23



SPACING OF RAISED RUMBLE STRIP SETS AT INTERSECTIONS
 (Preformed Thermoplastic Set Shown, Others Similar)

TABLE 1 - BRAKING ZONE	
Posted Speed (mph)	'L' (Feet)
≤ 30	150
35	200
40	250
45	300
50	350
55	410
60	470
65	550



- NOTES:**
- Construct permanent raised rumble strips where shown in the Plans and in accordance with Specification 546.
 - Use color white for preformed thermoplastic rumble strips.

OPTIONAL MATERIALS DETAILS

PERMANENT RAISED RUMBLE STRIPS

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